Replacement Sheet Appl. No: 10/614,483 Amdt dated October 2, 2008 Reply to Office communication of July 25 2008 100A Update the best known integer feasible solution in the B&C algorithm 110B Solve the LP relaxation of a sub-problem and B form new sub-problems in the B&C algorithm Algorithm 21 Is the solution found Stop the B&C optimal for the MILP algorithm and report Yes model? schedules No Is the solution violating integrality No constraints? Obtain the objective value for the best integer solution stored in the B&C algorithm 24 Obtain the values of the decision variables in the non-integer solution to current sub-problem Round the values of the decision variables in the non-integer solution to current sub-problem. Compute the agent shortage and excesses in each period for all contact types using the agent

RA algorithm

B&C

allocation variables G. Does the rounded solution have correct 27 number daily shifts? Schedule additional shifts to have correct number of shifts for each schedule 120C

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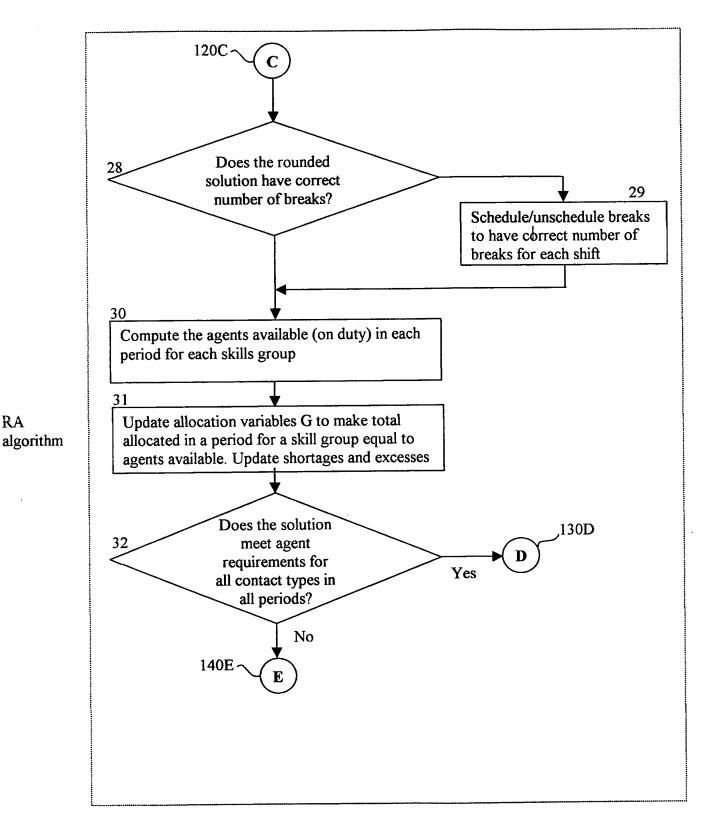


FIG 4B.

RA

